

YEFREMOV, I.S.; MOLODYKH, I.A., redaktor; IOFFE, M.L., redaktor;  
PETROVSKAYA, Ye., tekhnicheskiiy redaktor

[Trolley buses] Trolleibussy. Moskva, Izd-vo Ministerstva kommunal'-  
nogo khoziaistva RSFSR. Pt.1. [Mechanical equipment] Mekhaniche-  
skoe oborudovanie. 1951. 295 p. [Microfilm] (MLRA 7:10)  
(Trolley buses)

YEFREMOV, I.S. [author]; IVIN, K., inzhener; KUTYLOVSKIY, M., dotsent [reviewers]

~~\_\_\_\_\_~~  
Certain shortcomings of a useful book. ("Trolley buses." Part II. I.S.  
Efremov. Reviewed by K.Ivin, M.Kutylovskii). Zhil.-kom.khoz. 3 no.8:30  
Ag '53. (MLRA 6:8)

(Trolley buses) (Efremov, I.S.)

YEFREMOV, I.S.; MARKOVNIKOV, V.L., kandidat tekhnicheskikh nauk, retsen-  
zent; KLENNIKOV, V.M., inzhener, nauchnyy redaktor; TRAKHTMAN, L.M.,  
kandidat tekhnicheskikh nauk, nauchnyy redaktor; IOFFE, M.L., re-  
daktor izdatel'stva; GUROVA, O.A., tekhnicheskiy redaktor.

[Trolley buses; principles of theory, design and calculations]  
Trolleibussy; osnovy teorii, konstruktсии i rascheta. Moskva, Izd-  
vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1954. 479 p.  
(Trolley buses) (MLRA 7:11)

YEFREMOV, I.S.

GALONEN, Yu.M., kandidat tekhnicheskikh nauk.

"Trolley buses." I.S.Yefremov, V.L.Markovnikov. Reviewed by  
IU.M.Galonan. Gor.khoz. Mosk. 28 no.8:31-32 Ag '54. (MLBA 7:9)  
(Trolley buses)

YEFREMOV, I.S., professor, doktor tekhnicheskikh nauk.

Articulated trolley busses with increased capacity. Gor.khoz.Mosk.  
30 no.12:36-37 D '56. (MLRA 10:2)  
(Trolley buses)

Y L I K A M O V

CHILIKIN, M.G.; MESHKOV, V.V.; YEFREMOV, I.S.; GOLOVAN, A.T.; SVENCHANSKIY, A.D.

Professor D. K. Monov; on his 60th birthday and 35th anniversary in scientific, pedagogical, and engineering activity. Elektrichestvo no.3:95 Mr '57. (MIRA 10:4)  
(Minov, Dmitrii Konstantinovich, 1896- )

YEFREMOV, I.S., doktor tekhn.nauk, prof; GALONEN, Yu.M., kand.tekhn.nauk.

Review of two books by V.N. Stasiuk: "Electric trains in open  
pit mining"; "Electric train transport of ore in underground mines."  
Elektrichestvo no.11:95-96 N '57. (MIRA 10:10)  
(Mine railroads)

YEFREMOV, I.S.; SHPOLYANSKIY, M.N., red.; AVRUSHCHENKO, R.A., red.izd-va;  
VONKOV, S.V., tekhn.red.

[Electric equipment of trolley buses] Elektricheskoe oborudovanie  
trolleibusov. Izd. 2., ispr. i dop. Moskva, Izd-vo M-va kommun.  
khoz. RSFSR, 1958. 395 p. (MIRA 12:2)  
(Trolley buses)



YEFREMOV, I.S., doktor tekhn. nauk, prof.

Ways of further development of municipal public transportation.  
Gor. khoz. Mosk. 32 no.4:12-15 Ap '58. (MIRA 11:4)  
(Trolley buses) (Street railways) (Omnibuses)

YEFREMOV, Ivan Semenovich; GUSHCHO-MALKOV, Boris Petrovich; SHPOLYANSKIY,  
M.N., red.; OTOCHEVA, M.A., red.izd-va; LELYUKHIN, A.A., tekhn.red.

[New method of measuring the tension of contact network wires]  
Novyi metod izmereniia natiazheniia provodov kontaktnoi seti.  
Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1959. 38 p.

(MIRA 13:12)

(Electric railroads--Wires and wiring)

SOSYANTS, V.G., dotsent, obshchiy red.; IVANOV, I.T., kand.tekhn.nauk, red.; KLOPATOV, K.K., inzh., red.; ZHUKOV, A.I., prof., doktor tekhn.nauk, red.; GULYAYEV, N.F., kand.tekhn.nauk, red.; DUBOV, Yu.B., inzh., red.; ANTONOV, I.K., kand.tekhn.nauk, red.; YEFREMOV, I.S., prof., doktor tekhn.nauk, red.; DYUSKIN, V.K., doktor tekhn.nauk, red.; VINOGRADOV, K.A., kand.sel'skokhoz.nauk, red.; BOTOVA, Yu.P., red. izd-va; SALAZKOV, N.P., tekhn.red.

[Materials of the Scientific and Technical Conference on Problems in Introducing Achievements of Science and Technology in Municipal Economy] Materialy Nauchno-tekhnicheskogo soveshchaniya po voprosam vnedreniya dostizhenii nauki i tekhniki v gorodskoe khoziaistvo. Moskva, Izd-vo komm.khoz.RSFSR, No.6. [Roads and municipal electric transportation] Gorodskoi transport i dorogi. Pod obshchei red. V.G. Sosiantsa. 1959. 197 p. (MIRA 13:2)

1. Nauchno-tekhnicheskoye soveshchaniye po voprosam vnedreniya dostizheniy nauki i tekhniki v gorodskoye khozyaystvo. 2. Rukovoditel' sektora gorodskogo transporta Akademii kommunal'nogo khozyaystva (for Sosyants).

(Local transit)

(Road construction)

SOV/105-59-5-25/29

8(0)  
 AUTHORS: Basurmanov, K. A., Engineer, Galonen, Yu. M., Candidate of Technical Sciences, Yefremov, I. S., Professor, Doctor of Technical Sciences, Ivanov, I. T., Candidate of Technical Sciences

TITLE: V. G. Sosyants

PERIODICAL: Elektrichestvo, 1959, Nr 5, p 92 (USSR)

ABSTRACT: A short curriculum vitae on the occasion of his 70th birthday. Born on November 27, 1888 in Tiflis. Entered the Moskovskiy tramvay (Moscow Streetcar Service) in 1908, studied at the same time and finished his studies at the Polytechnic Institute in 1916. He worked in the Moscow Streetcar Service until 1930 where he finally became chief engineer. From 1931-37 he worked in the system of the Narodnyy komissariat kommunal'nogo khozyaystva RSFSR (People's Commissariat for Municipal Economy of the RSFSR) and in the Vsesoyuznyy sovet kommunal'nogo khozyaystva pri TsIK SSSR (All-Union Soviet of the Municipal Economy at the TsIK of the USSR). From 1937 he has been conducting the Sector of Municipal Transport at the Akademiya kommunal'nogo khozyaystva im. Pamfilova (Academy of Municipal Economy imeni Pamfilov). Besides, he is working as a pedagogue.

Card 1/3

V. G. Sosyants

SOV/105-59-5-25/29

He started his activity as a pedagogue in 1929 at the Institut narodnogo khozyaystva im. Plekhanova (Institute of Political Economy imeni Plekhanov) where he organized and gave lectures on municipal electric transportation. Later on he also worked at the Moskovskiy energeticheskiy institut (Moscow Power Engineering Institute) and other institutes. He published a number of scientific papers, text books, and manuals. In 1923 he organized the 1st All-Russian Streetcar Conference. He was a member of the Presidium of the Postoyannoye byuro vsesoyuznykh tramvaynykh s"yezdov (Permanent Office of the All-Union Streetcar Congresses), of the Vsesoyuznoye nauchnoye inzhenerno-tekhnicheskoye obshchestvo gorodskogo transporta (All-Union Scientific Technical Society of Municipal Transportation). Since 1954 he has been Deputy President of the Central Executive Committee of the Nauchno-tekhnicheskoye obshchestvo sanitarnoy tekhniki i gorodskogo khozyaystva (Scientific-technical Society of Sanitary Engineering and Municipal Economy). At the same time, he is Deputy President of the Section of Transportation of the Moskovskoye gorodskoye otdeleniye Vsesoyuznogo obshchestva po rasprostraneniyu politicheskikh i nauchnykh znaniy (Moscow Municipal Department of the All-Union Society for the Propagation of Political and Scientific Education), as well as a member of the Commission for the Reorganization of Municipal Trans-

Card 2/3

V. G. Sosyants

SOV/105-59-5-25/29

portation at the Mosgorispolkom, of the Tekhnicheskii sovets Ministerstva kommunal'nogo khozyaystva RSFSR (Technical Council of the Ministry of Municipal Economy of the RSFSR), of the Uchenyy sovets Akademii kommunal'nogo khozyaystva (Scientific Council of the Academy of Municipal Economy) and of the Tekhnicheskii sovets Mosgorispolkom (Technical Council of the Mosgorispolkom). He bears the Badge of Honor and various medals. There is 1 figure.

Card 3/3

YEFREMOV, I.S., doktor tekhn.nauk, prof.; NIKOLAYEV, I.I.;  
NOVOKHATSKIY, A.F., inzh.

Review of D.K. Minov's book "Mechanical section of electric rolling stock." Elektrichestvo no.10:93-95 0 '60. (MIRA 14:9)

1. Chlen-korrespondent AN SSSR (for Nikolayev).  
(Electric railroads--Rolling stock)  
(Minov, D.K.)

YEFREMOV, I.S., doktor tekhn.nauk; GUSHCHO-MALKOV, B.P., inzh.

Nonstepping control system with a carbon controlling resistance.  
Vest. elektroprom, 31 no.11:27-30 N '60. (MIRA 13:12)  
(Street railways)



YEFREMOV, I.S., doktor tekhn. nauk; REKITAR, R.A., inzh.;  
 ROZENBERG, S.V., kand. ekon. nauk; BLATNOV, M.D., kand.  
 tekhn. nauk; VIL'KONETSKIY, M.S., inzh.; TOMILIN, A.I., inzh.;  
 POPELYASH, V.N., inzh.; ZAGAYNOV, N.A., kand. tekhn. nauk;  
 FINKEL'SHTEYN, B.S., inzh.; MARINOV, I.A., inzh.; ISTRATOV, V.P.,  
 inzh.; MARGOLIN, I.S., inzh.; ENGEL'S, G.G., inzh.; ANTONOV,  
 V.A., inzh.; SOKOLOV, V.D., inzh.; KLESHCHINSKIY, B.K., inzh.;  
 IL'INSKIY, A.I., retsenzent; PAPKOV, N.G., retsenzent; SMIRNOV,  
 G.M., retsenzent; SHPOLYANSKIY, M.N., otv. red. toma; VOLOCHNEV,  
 V.N., red.; TROFIMOV, A.N., red.; RACHEVSKAYA, M.I., red. izd-va;  
 LELYUKHIN, A.A., tekhn. red.

[Technical manual on city electric transportation in three  
 volumes] Tekhnicheskii spravochnik po gorodskomu elektro-  
 transportu v trekh tomakh. Redkollegia: V.N.Volochnev, A.N.  
 Trofimov, M.N.Shpolianskii. Moskva, Izd-vo M-va kommun. khoz.  
 RSFSR. Vbl.1. [City electric transportation (general part)]  
 Gorodskoi elektricheskii transport (obshchaya chast'). Otv.  
 red. toma M.N.Shpolianskii. 1961. 726 p. (MIRA 15:4)  
 (Streetcars) (Trolley buses)

YEFREMOV, I.S., doktor tekhn. nauk, prof.

Transportation problems in the metropolitan area of Moscow. Gor.  
khoz. Mosk. 35 no.2:3-5 F '61. (MIRA 14:2)  
(Moscow--Transit systems)

YEFREMOV, Ivan Semenovich; MARKOVNIKOV, V.L., doktor tekhn. nauk,  
nauchnyy red.; TRAKHTMAN, L.M., kand. tekhn. nauk, dots.,  
nauchnyy red.; OTOCHEVA, M.A., red. izd-va; LELYUKHIN, A.A.,  
tekhn. red.

[Trolley buses; theory, design and construction] Trolleibussy;  
teoriia, konstruktsiia i raschet. Izd.2., ispr. i dop. Moskva,  
Izd-vo M-va kommun.khoz.RSFSR, 1962. 494 p. (MIRA 15:7)  
(Trolley buses)

YEFREMOV, I.S., doktor.tekhn.nauk, prof.; KOSAREV, G.V., kand.tekhn.nauk,  
dotsent

High-speed automatic group control system of the coupled  
TS-1 trolley bus. Elektrichestvo no.5:54-60 My '62.  
(MIRA 15:5)

1. Moskovskiy energeticheskiy institut.  
(Trolley buses)

YEFREMOV, I.S., doktor tekhn.nauk, prof.; ZAGAYNOV, N.A., kand.tekhn.nauk;  
NIKOL'SKIY, I.K., inzh.

Study of the load characteristics of semiconductor power rectifiers.  
Elektrichestvo no.12:59-63 D '62. (MIRA 15:12)

1. Moskovskiy energeticheskiy institut.  
(Electric current rectifiers)

YEFREMOV, Ivan Semenovich; MOLODYKH, I.A., red.; TIKHONOVA,  
I.A., red.izd-va; KHENOKH, F.M., tekhn. red.

[Electrical equipment of trolley buses] Elektricheskoe  
oborudovanie trolleibusov. Izd.3., ispr. i dop. Mo-  
skva, Izd-vo M-va kommun.khoz.RSFSR, 1963. 335 p.  
(MIRA 17:1)

YEFREMOV, I.S., doktor tekhn. nauk, prof.

Development of electric converters and urban transport power supply systems. Elektrichestvo no.6:7-12 Je '63. (MIRA 16:7)

1. Moskovskiy energeticheskiy institut.  
(Electric power distribution) (Street railways)  
(Electric current converters)

YEFREMOV, I.S.; MINOV, D.K.; PETROV, I.I.; ROZENFEL'D, V.Ye.; SVENCHANSKIY,  
A.D.; SOKOLOV, M.M.; MUFRIYANSKIY, N.A.; CHILIKIN, M.G.

Aleksandr Dmitrievich Stepanov, 1904- ; on his 60th birthday.  
Elektrichestvo no.9:93 S 164.

(MIRA 17:10)



YEFREMOV, I.S., doktor tekhn. nauk; PEDENKO, A.I., inzh.

Dynamic indices of new types of municipal electric rolling stock.  
Elektrotekhnika 35 no.10:27-28 0 '64.

(MIRA 17:11)

YEFREMOV, I.S., doktor tekhn. nauk, prof.; ZAGAYNOV, N.A., kand. tekhn. nauk;  
NIKOL'SKIY, I.K., kand. tekhn. nauk; CHIRVINSKIY, V.M., inzh.

Thermal resistance of silicon power rectifiers. Elektrichestvo  
no.2:42-45 F '65. (MIRA 18:3)

1. Moskovskiy energeticheskiy institut.

YEFREMOV, Ivan Semenovich; VOLKOV, Andrey Fedotovich; ZAGAYNOV,  
Nikolay Alekseyevich; NIKOL'SKIY, Igor' Konstantinovich;  
TIKHOMIROV, Sergey Semenovich; CHERVINSKIY, Vladimir  
Mikhaylovich; TCMLYANOVICH, D.K., red.

[Semiconductor power rectifiers in municipal transport] Po-  
luprovodnikovye silovye preobrazovateli na gorodskom trans-  
porte. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1963. 82 p.  
(MIRA 17:9)

YEFREMOV, Ivan Semenovich, doktor tekhn. nauk, prof.; KOBOZEV,  
Vadim Mikhaylovich, kand. tekhn. nauk; GUSHCHO-MALKOV,  
Boris Petrovich, kand. tekhn. nauk, red.

[Design and calculation of the mechanical equipment of  
trolleybuses; textbook for term and diploma projects  
for students specializing in "City electric transporta-  
tion"] Proektirovanie i raschet mekhanicheskogo oboru-  
dovaniia trolleibusov posobie dlia kursovogo i diplom-  
nogo proektirovaniia studentam spetsial'nosti "Gorodskoi  
elektricheskii transport." Moskva, Energ. in-t, 1964.  
238 p. (MIRA 18:1)

YEFREMOV, K., instruktor profilaktiki (Manturovo, Kostromskaya oblast')

A supernumerary position. Pozh.delo 5 no.4:27 Ap '59.  
(MIRA 12:5)

(Manturovo (Kostroma Province)--Firemen)

YEFREMOV, K.A.; BARKHATOVA, V.I.; ADAMENKO, I.A.

Determining the gas content in coal seams during exploratory  
operations in the Kuznetsk Basin. Vop. bezop. v ugol'.  
skakh. 1:131-146 '59. (MIRA 17:12)

YEFREMOV, K.A.

Method of compiling maps prognosticating the gas content in coal seams. Mat. Tem. kom. no.1:103-111 '61. (MIRA 17:2)

1. Vostochnyy nauchno-issledovatel'skiy institut po bezopasnosti rabot v gornoy promyshlennosti.

YEFREMOV, K. A., kand. tekhn. nauk

Gas conditions in coal mines and the classification of mines by gas concentration. Bezop. truda v prom, 7 no. 2:4-6 F '63. (MIRA 16:2)

1. Vostochnyy nauchno-issledovatel'skiy institut po bezopasnosti  
rabot v gornoy promyshlennosti.  
(Mine gases)



YEFREMOV, K.A.; KOLOTOVKIN, L.D.

Sources of gas liberation in Kuznetsk Basin mines during the  
use of the long pillar system along the strike. Nauch. soob.  
VostNII no.3:48-56 '63. (MIRA 17:5)

BUKIN, I.V.; YEFREMOV, K.A.

Basic requirements of materials in geological reports on the  
gas content of coal seams. Ugol' 39 no.7:57-60 J1 '64.

(MIRA 17:10)

1. Moskovskiy geologorazvedochnyy institut imeni S. Ordzhonikidze  
(for Bukin). 2. Vostochnyy nauchno-issledovatel'skiy institut po  
bezopasnosti rabot v gornoy promyshlennosti (for Yefremov).

ACCESSION NO: AR5003042

SOURCE: Ref. zh. Geodeziya. Otd. vyp., Abs. 11.52.220

AUTHORS: Yafremov, K. I.

TITLE: On the accuracy of geodetic operations in gravimetric surveying

CITED SOURCE: Tr. Novosib. in-ta inzh. goed., aerofotos"emki i kartogr. v. 17, no. 2, 1964, 103-111

TOPIC TAGS: gravimetric surveying, geodetic operations, gravity anomaly

TRANSLATION: The author examines the influence of errors in the coordinates and allowances for the relief on the position of the isoanomalies on the map, for different horizontal gradients of the force of gravity, as well as the necessary accuracy with which the heights of gravimetric points must be determined, and also the average elevation of the zone when corrections for their relief are taken into account. The author considers it advantageous to reduce the accuracy with which the heights of the gravimetric points are determined, and to compensate for this by a more precise determination of their coordinates. Bibliography, 8 titles.

Card 1/2

L 26499-65  
ACCESSION NR: AR5003642

See also RZh, 1963, 8.52.224. A. Yu.

SUB CODE: ES ENCL: 00

Card 2/2

BYKHOVSKIY, Izrail' Adol'fovich; YEFREMOV, K.P., kand. tekhn. nauk, retsenzent; LARKIN, N.N., kand. tekhn. nauk, retsenzent; YEGOROV, S.A., nauchn. red.; MISHKEVICH, G.I., red.; SHISHKOVA, L.M., tekhn. red.

[Atomic submarines] Atomnye podvodnye lodki. Izd.2., perer. i dop. Leningrad, Sudpromgiz, 1963. 230 p.  
(MIRA 17:1)

(Atomic submarines)

YE FREMOV, L. N.

USSR/Electricity - Communication wires

Card 1/1 Pub. 133 - 8/23

Authors : Efremov, L. A., Chief, and Terenin, V. N., Engineer at the Berislav Communications Center

Title : Splicing bimetallic wires

Periodical : Vest. svyazi 11, page 15, Nov 1954

Abstract : A dependable method of splicing bimetallic wire, frequently used for replacing the old type 3 mm copper wire in communication lines, is proposed. The method consists in extending the ends of the wires to be spliced, somewhat beyond the copper-tube sleeve slipped over the wire ends. The wire ends, which are extended beyond the copper sleeve for a length no less than the diameter of the wires, are then bent back over the connecting sleeve. The wires and sleeve are then twisted through  $1\frac{1}{2}$  turns. Tests have proven this method to give highly satisfactory results.

Institution: .....

Submitted: .....

YEFREMOV, L.A.

BONDARCHUK, A.L.; YEFREMOV, L.A.; VOZNESENSKIY, S.G.

Quality of poles for communication lines and increasing their  
durability. Vest.sviazi 14 no.1:32 Ja '54. (MLRA 7:5)

1. Starshiy bukhgalter Mlynovskoy kontory svyazi Rovenskoy oblasti  
(for Bondarchuk).
2. Nachal'nik Berislavskogo LTU Khersonskoy oblasti  
(for Yefremov).
3. Zamestitel' nachal'nika Zavolzhskogo LTU Saratovskoy  
oblasti (for Voznesenskiy). (Telegraph lines)

GERSHOGAL, David Abramovich; YEFREMOV, Leonid Alekseyevich; LYUBIMOV,  
N.G., otv.red.; KONDRAT'YEVA, M.A., tekhn.red.; IL'INSKAYA,  
G.M., tekhn.red.

[Detonating devices and metering equipment for electric blasting]  
Vzryvnye mashinki i izmeritel'nye pribory dlia elektrovzryvaniia.  
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960.  
44 p. (MIRA 13:12)

(Detonators)

(Blasting)



YEFREMOV, L.A., inzh.

Foreign mechanization of charging and stemming boreholes,  
Vzryv. delo no.51/8:412-426 '63. (MIRA 16:6)

1. Institut gornogo dela imeni A.A. Skochinskogo.  
(Blasting—Equipment and supplies)

YEFREMOV, L.V., inzh.

Nomograms for the determination of torsional vibrations in the  
design of shaft lines. Sudostroenie 29 no.11:21-23 N '63.  
(MIRA 16:12)

YEFREMOV, L.V., inzh.

Forced torque oscillations of the shafts of diesel power  
systems. Energomashinostroenie 11 no.10:14-16 0 '65.  
(MIRA 18:11)

KARPOVICH, Vladislav Anatol'yevich. Prinimal uchastiye YEFREMOV,  
L.V., inzh.; NEMUS, K.I., inzh., rotsenzent; KATSMAN,  
F.M., rotsenzent; IOCODIN, L.L., nauchn. red.; SMIRNOV,  
Yu.I., red.

[Diesel engine plants with controllable pitch propellers]  
Dizel'nye ustanovki s vintami reguliruemogo shaga. Lenin-  
grad, "Sudostroenie," 1964. 203 p. (MIRA 17:8)

14(3)

SOV/176-58-7-11/17

AUTHORS: Yefremov, M., Lieutenant Colonel; Radik, I., First Lieutenant; Tenson, Kh. and Reynik, Ya.

TITLE: Fittings for the Assembly of Corrugated Steel Parts  
(Prisposobleniya dlya sborki konstruktsiy iz elementov volnistoy stali)

PERIODICAL: Voenno-inzhenernyy zhurnal, 1958, Nr 7, pp 30-32(USSR)

ABSTRACT: The authors describe the tightening and supporting devices used in tightening parts of steel material used in the construction of shelters. Sergeant D.A. Zaytsev of Moscow Military District proposed a lever of 20-25 mm in diameter, at one end of which are 5 lugs (1 on top and 4 below) with an adjustable hub on top about 10 mm. in diameter intended to catch the edge of the opposing element (a steel plate). This device is shown in a drawing (Figure 1). Similar devices were invented and used by other units (not stated) (Figures 2 and 3). There are 5 sets of diagrams.

Card 1/1

ACC NR: AR6035386

(N)

SOURCE CODE: UR/0398/66/000/009/A023/A024

AUTHOR: Yefremov, L. V.

TITLE: Some questions involved in the investigation of torsional vibrations of propeller shafting of commercial ships

SOURCE: Ref. zh. Vodnyy transport, Abs. 9A147

REF SOURCE: Sb. Rybolovn. flot. T. 2, L., Sudostroyeniye, 1965, 338-345

TOPIC TAGS: ship component, vibration analysis, propeller blade, fishing ship

ABSTRACT: The "Giprorybflot" Institute (SSSR) has carried out investigations in more than ten ships on the effect of the pitch of an adjustable-pitch screw, on torsional oscillations. When the blade position varies from zero to its nominal value, the moment of inertia of the screw increases by approximately 10 - 20% as a result of the attached water. This leads to a change in the waveform of the single-node vibrations decreasing the frequency of the free oscillations by 4 - 6% and the first-mass amplitudes and the stresses due to resonant oscillations by 50% and more. The waveform and frequency of the two-node vibrations remain practically unchanged. The forced oscillations increase. The norms of permissible stresses due to torsional oscillations, drafted for transport ships, should be modified for fishing-processing ships, since the latter are operated for longer times with the fishing equipment running at reduced speeds. Norms for the stresses are proposed in fractions of the fatigue limit of the material of the shaft during torsion. Recommendations are made on the design of pro-

Card 1/2

UDC: 629.12:624.021.09-752

ACC NR: AR6035386

peller shafting to operate with engines constructed by the Liebknecht plant (E. Germany), and a nomogram and a formula are presented for determining the frequency of the free single-node and two-node vibrations. 5 illustrations. I. Tryanin [Translation of abstract]

SUB CODE: . 13

Card 2/2

YESENIN, V. A., EIL, V. S., YEFREYEV, M. A.

Steam Boilers

Increasing the work reliability of high-pressure boilers. Rab. energ. 2 no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952. Unclassified.



YEFREMOV, M. A.

USSR/Engineering - Combustion, Coals

May 52

"Combustion of Anthracite Dust and Its Mixture With Lean Coal," A. N. Lebedev, Cand Tech Sci, I. I. Volkov, Jr Sci Worker, and M. A. Yefremov, Engr, Combustion Lab, TETs, Mosenergo (Steam-Elec Power Sta, Moscow Regional Elec Power Admin)

"Iz v-s Teplotekhn Inst" No 5, pp 17-20

Describes expts for combustion of "onets anthracite dust in pure state and mixed with lean coal, in shielded furnace with corner burners and without any ignition belt, by 2-stage method developed at VTI. Exptl data obtained permit establishing optimum distribution of air required in each stage of combustion process. Boiler furnace of TETs under operating conditions was used for expts.

231T39

YEFREMOV, M. A.

1. KISELEV, P. I.; KISELEV, A. M., Eng.; YEFREMOV, M. A.
2. USSR (600)
4. Coal, Pulverized
7. Pulverizing poor grade coal with small ball charge. Izv. VTI 21 no. 9, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

MENZHERITSKIY, A.I.; OSIPOV, A.V.; YEFREMOV, M.D.; KRUKOVSKIY, Ye.V.;  
SHLUGER, N.A.; REPSHIL', A.P.; MITSKEVICH, V.M.; MIKIRTUCHEVA,  
Z.V.; POLONSKIY, V.V.; OBOTOVA, M.N.; SEMENOVSKIY, A.A.;  
GARASEVICH, G.I.; VAYNBERG, Ye.I.; DOMNICH, A.M.; LEVCHENKO, V.L.;  
RAFAL'SON, V.D.; ROMANENKO, Ye.I.; SHPINER, Ye.I.; TEKLIN, V.G.

Innovations. Bum. 1 der. prom. no.2:58 Ap-Je '65.

(MIRA 18:6)

YEFREMOV, M.G.; TER-GALUSTOV, S.A.; SAMOYLOVICH, S.Ya., nauchnyy redaktor;  
TOKAR, A.M., tekhnicheskiiy redaktor

[Boring and cementing with clay solution for deep-set supports]  
Opyt bureniia i betonirovaniia pod glinistym rastvorom dlia opor  
glubokogo zalozeniiia. Moskva, Gos. izd-vo lit-ry po stroitel'stvu  
i arkhitekture, 1953. 50 p. [Microfilm] (MLRA 7:10)  
(Foundations) (Boring)

YEFREMOV, M.G.

Vibrator method of drilling exploratory boreholes. Trudy NII esn.1  
fund no.28:4-31 '56. (MIRA 9:9)  
(Boring machinery)

*of sinking of*  
YEREMLOV, L.G., Cand Tech Sci--(diss) "Vibration method of ~~putting~~ <sup>600-</sup>  
~~logs~~ <sup>for</sup> prospecting wells for construction purposes." Mos, 1952. 16 pp  
*Construction*  
(Acad of ~~Building~~ and Architecture USSR. Sci Res Inst of Foundations and  
~~Underground~~  
~~Subterranean~~ Constructions NIIOGP), 110 copies (KL, 26-58, 109)

-63-

YEFREMOV, Mikhail Grigor'yevich; BORSHCHEVSKAYA, N.M., red.izd-va;  
~~KL'KINA, N.M.~~, tekhn.red.; SOLNITSEVA, L.M., tekhn.red.

[Vibration method for sinking geological exploratory wells]  
Vibrometod prokhodki geologorazvedochnykh skvazhin. Moskva,  
Gos. izd-vo lit-ry po stroit. i arkhitekt., 1958. 41 p. (MIRA 11:5)  
(Boring machinery)

YEFREMOV, M.G. inzh.; BARKAN, D.D., prof., doktor tekhn.nauk; MUNITS, A.P.,  
red.izd-va; BOROVNEV, N.K., tekhn.red.

[Information on the vibration method of boring geological test  
holes for building purposes] Ukazaniia po vibrometodu prokhodki  
geologorazvedochnykh skvazhin v stroitel'nykh tseliakh. Moskva,  
1958. 51 p. (MIRA 12:3)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut osnovaniy  
i podzemnykh soorusheniy.  
(Boring machinery)



YEFRMOV, H.G.

Studying the work of vibration hammers used in geological  
prospecting. [Trudy] NIIOSP no.32:5-27 '58. (MIRA 12:2)  
(Rock drills--Vibration)

YEFREMOV, M.G.

Comparative testing of soil samples obtained by vibration drilling  
and pitting. [Trudy] NIIOSP no.32:28-41 '58. (MIRA 12:2)  
(Soils--Testing) (Rock drills--Vibration)

YEFREMOV, M.G.

Selecting the weight of the impact mass of a vibration hammer.  
Trudy NIICSP no.44:25-30 '61. (MIRA 14:8)  
(Vibrators)

GIL'DENBLAT, G.D.; YEFREMOV, M.G.; REBRIK, B.M.

The problem of taking samples of soil without destroying its  
structure by a vibration method. Osn., fund. i mekh. grun. 4  
no. 1:10-12 '62. (MIRA 16:2)

(Engineering geology)

~~YEFREMOV, M.G.~~; SMORODINOV, M.I.

For further improvement of the organization and mechanization  
of foundation construction work in large-panel construction.  
Osn., fund.i mekh.grun. 4 no.5:1-2 '62. (MIRA 15:12)  
(Foundations)  
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SOKOLOV, N.M., doktor tekhn. nauk; MARIUPOL'SKIY, G.M., kand.  
tekhn. nauk; SOROCHAN, Ye.A., kand. tekhn. nauk; FUKSON,  
M.N., kand. tekhn. nauk; YEFREYEV, M.G., kand. tekhn.  
nauk, retsenzent; ZHURAVLEV, B.A., red.; SHEVCHENKO, T.N.,  
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[Foundation engineering] Osnovaniia i fundamenty. [By] N.M.  
Sokolov i dr. Moskva, Gostroiizdat, 1963. 295 p.  
(MIRA 16:12)

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YEFREMOV, M.G.; KONOVALOV, P.A.; MIKHEYEV, V.V.

Distribution of deformations in layers of a clay and sand bed  
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YEFREMOV, M.G.

Prefabricated foundation construction during the last ten years. Osn., fund. 1 mekh. grun. 6 no.5:1-2 '64. (MIRA 17:

(MIRA 17:12)



NUDEL'MAN, L.A.; YEFREMOV, M.G.; ZHULIN, V.Ya.

Introduce greater economy and industrialization in the laying  
of foundations in rural construction. Osn., fund. i mekh. grun.  
7 no. 6:1-2 '65. (MIRA 18:12)

YEFREMOV, M.I.; ZYKOV, Yu.V.

Switching-over of automatic block systems in the Moscow-Ryazan  
electrified district. Avtom., telem. i svyaz' 4 no.2:25-28 F  
'60. (MIRA 13:6)

1. Nachal'nik otdela spetsializatsii, tsentralizatsii, blokirovki  
i svyazi Moskovsko-Ryazanskogo otdeleniya Moskovskoy dorogi (for Yefre-  
mov). 2. Starshiy inzhener otdela spetsializatsii, tsentralizatsii  
blokirovki i svyazi Moskovsko-Ryazanskogo otdeleniya Moskovskoy dorogi  
(for Zikov).

(Electric railroads--Signaling)

SHMYREV, Aleksandr Georgiyevich; VAKHNIN, M.I., doktor tekhn. nauk,  
prof., retsenzent; YEFREMOV, M.I., retsenzent; MARENKOVA,  
G.I., inzh., red.; KHITROVA, N.A., tekhn. red.

[Handbook on automation and remote control on railroads]  
Spravochnik po zheleznodorozhnoi avtomatike i telemekhanike.  
Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei  
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(Railroads) (Automation) (Remote control)

YEFREMOV, I. S.

Yefremov, I. S. "The specifications of logs and sawn timber, as factors determining the length of the sawmilling shop in planning", Sbornik nauch.-issled. rabot (Arkhiv . lesotekhn. in-t im. Kuybysheva), 11, 1949, p. 5-12.

So: U-3261, 10 April 53, (Letopis 'Zhurnal 'nykh Statey, No. 12, 1949).

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1948, p. 21-23.

So: U-2261, 10 April 53, (Letopis 'Zhurnal 'nykh St-ey, No. 12, 1949).

YEFREMOV, Mikhail Timofeyevich; KOZHEVNIKOVA, V.A., red.; STRAKHOV,  
N.I., red.; YASHEN'KINA, Ye.A., tekhn.red.

[Seven-year plan of Kuybyshev Province] Semiletnyi plan  
Kuibyshevskoi oblasti. Kuibyshev, Kuibyshevskoe knizhnoe  
izd-vo, 1959. 128 p. (MIRA 13:2)

1. Pervyy sekretar' Kuybyshevskogo obkoma Kommunisticheskoy partii  
Sovetskogo Soyuza (for Yefremov).  
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ZASYAD'KO, A.F.; KUCHERENKO, V.A.; PAVLENKO, A.S.; GRISHMANOV, I.A.;  
FROLOV, V.S.; SHASHKOV, Z.A.; YEFREMOV, M.T.; SMIRNOV, M.S.;  
CHIZHOV, D.G.; NOVIKOV, I.T.; NOSOV, R.P.; ASKOCHENSKIY, A.N.;  
NEKRASOV, A.M.; LAVREHENKO, K.D.; TARASOV, N.Ya.; GABDANK, K.A.;  
LEVIN, I.A.; GINZBURG, S.Z.; ALEKSANDROV, A.P.; KOMZIN, I.V.;  
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SAPOZHNIKOV, F.V.; KASATKIN, M.V.; ALEKSANDROV, M.Ya.; KOTILEVSKIY,  
D.G.

Fedor Georgievich Loginov; obituary. Elek.sta. 29 no.8:1-2  
Ag '58. (MIRA 11:11)

(Loginov, Fedor Georgievich, 1900-1958)

SHCHERBAKOVA, G.S.[Shcherbakova, H.S.]; TITARENKO, G.R.[Tytarenko,  
H.R.]; YEFREMOV, M.V.[IEfremov, M.V.], red.; SAVCHENKO,  
M.S., tekhn. red.

[Cucumbers]Ochirky. Kyiv, Derzhsil'hospvydav URSR, 1961. 95 p.  
(MIRA 15:11)

(Ukraine—Cucumbers)



GORSKIY, O.I. [Hors'kyi, O.I.], agronom; NASUSHKIN, A.I., inzh.;  
ALEKSEYEVSKIY, Ye.Ye. [Aleksieievskiy, IE.IE.], red.;  
EFREMOV, M.V., red.; GULENKO, O.I. [Hulenko, O.I.], tekhn. red.

[Let's transform bogs into fertile lands] Peretvorymo bolota  
v rodiuchi zemli. Kyiv, Derzhsil'hospvydav URSR, 1960. 230 p.  
(MIRA 16:5)

(Ukraine--Drainage)

MEDVEDEVA, Galina Stapanovna [Medviedieva, H.S.]; YEFREMOV, M.V. ....  
[Iefremov, M.V.], red.; SAVCHENKO, M.S., tekhn. red.

[Tomatoes] Pomidory. Kyiv, Derzhsil'hospvydav URSR, 1961.  
121 p. (MIRA 15:11)

(Ukraine—Tomatoes)

SAVCHENKO, Yevgeniy Nikolayevich; YEFREMOV, M.V. [IEfremov, M.V.], red.;  
GULENKO, O.I. [Hulenko, O.I.], tekhn. red.

[Manual of toxic chemicals] Dovidnyk po otrutokhimikatakh. Kyiv,  
Derzh. vyd-vo sil's'kohospodars'koi lit-ry URSR, 1961. 327 p.  
(MIRA 14:11)

(Insecticides)

VESELOVSKIY, Ivan Vasil'yevich[Veselovs'kyi, I.V.], dots.;  
MIKHALOVSKIY, A.G.[Mykhalovs'kyi, A.H.], prof., red.;  
YEFREMOV, M.V., red.; VERNIK, G.V.[Vernik, H.V.], tekhn.  
red.

[Herbicides and their use in agriculture] Herbitsydy ta ikh  
zastosuvannia v sil's'komi hospodarstvi. Kiev, Derzhsil'-  
hospvydav URSR, 1964. 50 p. (MIRA 17:3)

BASOV, Ivan Ivanovich, kand. sel'khoz. nauk; YEFREMOV, M.V.,  
red.

[Chemistry as a powerful means in the development of farm  
production] Khimiia - mohutnii zasib rozvytku sil's'ko-  
hospodars'koho vyrobnytstva. Kyiv, Urozhai, 1964. 43 p.  
(MIRA 17:11)

KAZAKOV, I., brigadir slesarey-naladchikov; YEFREMOV, N., brakovshchik

Let's change the procedure for setting up temporary disability benefits. Sov.profsoiuzy 7 no.22:41 N '59. (MIRA 12:12)

1. Moskovskiy chugunno-liteynyy zavoda imeni Voykova.  
(Moscow--Employers' liability)

YEFREMOV, N.

Ways of increasing the speed and the advantageousness of  
"Rossiia"-type diesel-electric motorships. Rech.transp 21  
no.4:46 Ap '62. (MIRA 15:4)

1. Nachal'nik Sluzhby sudovogo khozyaystva Yenisyetskogo  
parokhodstva.  
(Ship propulsion, Electric) (Motorships--Cost of operation)

555.3/35:668.1:85.011.56

AUTHOR: Yefremov, N. A.

TITLE: Experience with the TNB-2 unit

SOURCE: Maslozhirovaya promyshlennost', no. 7, 1966, 43

TOPIC TAGS: <sup>u4</sup>soap production, chemical equipment

ABSTRACT: At the Leningradskiy kombinat sinteticheskikh moyushchykh sredstv, mya i zhelatina imeni Karpova (Leningrad Combine of Synthetic Wetting Agents, Soap, and Gelatin) a TNB-2 soap-boiling unit was put into service at the end of 1961. At the same time, some modifications have been introduced into its operation. Instead of a single boiler, two boilers are now used, each with its own heating coil. The unit is now equipped with a control system that allows for automatic regulation of the process. The results of the operation of the unit are discussed.

Card 1/2



ACCESSION NR: AP5019290

thousand tons of 60% household soap and 327 tons of liquid carbonic acid; in 1964, these values rose to 42.9 thousand tons and 669 tons, respectively. Experience with the TMB-2 and TMB-3 led the authors to recommend its adoption in all soap factories. (Orig. art. 10, 1 figure).

ASSEMBLY: Leningradskiy kombinat sinteticheskikh moyushchivykh sredstv, naya (Leningrad Kombinat Synthetic Detergent Agents, naya, and Gokartel).

SUBMITTED: 000

ENCL: 50

SUB CODE: 00

NO REF SOV: 000

OTHER: 000

L 13696-66 EPA/ENT(1)/ENP(f)/T-2 WW

ACC NR: AP6002538

SOURCE CODE: UR/0286/65/000/023/0039/0040

INVENTOR: Moskalev, Yu. V.; Dubrovskiy, D. M.; Pyatilyshnev, V. S.; Yefremov, N. D.  
Mel'nikov, I. G.

ORG: none

TITLE: Method of manufacturing mixed-flow compressor rotors. Class 27, No. 176657

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 39-40

TOPIC TAGS: compressor rotor, compressor blade, gas turbine

ABSTRACT: An Author Certificate has been issued for a method of making compressor rotors for low-power gas turbine units by casting. In this process the metal is poured into a special mold with pre-positioned press-forged blades. The mold is a metal shell with openings for fitting the blades and it becomes a part of the rotor. To improve the aerodynamic characteristics of the blade passages, the blade roots are

Card 1/2

UDC: 621.515-226.2.002.2

L 13696-66

ACC NR: AP6002538

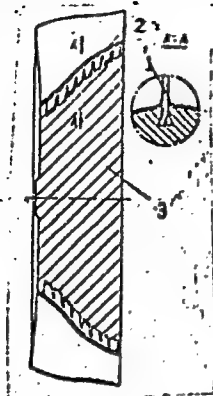


Fig. 1. Compressor rotor

1 - Blade; 2 - mold; 3 - rotor.

split and bent outward (see Fig.), and the corners between the blade and the mold shell are rounded off by welding. Orig. art. has: 1 figure. [TN]

SUB CODE: 21/ SUBM DATE: 11Sep63/ ATD PRESS: 4/85

Card 2/2 PR

13,2500

S/146/62/005/006/004/006  
D201/D308

AUTHOR: Yefremov, M.I.

TITLE: Theory of invariance of inertial systems designed  
by the analytical method

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Priborostroy-  
niye, v. 5, no. 6, 1962, 77-84

TEXT: The author considers inertial systems in which the  
position is determined by integration of the velocity or by double  
integration of the acceleration of the object. Invariance of such  
systems with respect to horizontal accelerations of the controlled  
object and arbitrary deviations of the stabilizing gyroscope are in-  
vestigated. Formulas for analytical errors, which take into account  
the time constant of the platform stabilizing circuit, are derived.  
The inertia of the circuit, stabilizing the vertical, results in  
that the invariance of the inertial system with respect to the hori-  
zontal acceleration is only partial. If the analytical and real  
radii of curvature do not coincide, the error contains a term which

✓B

Card 1/2

Theory of invariance ...

S/146/62/005/006/004/006  
D201/D308

depends on the analytical coordinate itself. The system may be made invariant with respect to the deviation of the stabilizing gyroscope by applying a sidercal correction in the form of a specially shaped signal to the input of the first integrator, the velocity and acceleration analytical errors being unequal. The correction signal makes it possible to avoid cumulative errors, but does not result in the invariance of these errors with respect to the gyroscope deviations. The analysis applies to terrestrial inertial navigation systems, assuming that its sensing elements are placed in two planes perpendicular to each other, and that these elements are symmetrical and do not affect each other. There are 3 figures. ✓B

ASSOCIATION: Voyenno-morskaya ordena Lenina akademiya (Naval  
'Order of Lenin' Academy)

SUBMITTED: March 20, 1962

Card 2/2

YEFREMOV, N.I., dotsent, kand.tekhn.nauk, inzhener-kapitan 3-go ranga

Autonomous navigation system for the control of rocket flights.

Mor.sbor. 46 no.5:66-70 My '63.

(MIRA 16:4)

(Rockets (Aeronautics)—Controls)

(Inertial navigation)

YEFREMOV, N.I.

New methods of size preparation. Tekst.prom. 23 no.1:57-59  
Ja '63. (MIRA 16:2)

1. Rukovoditel' tkatskoy gruppy Gosudarstvennogo instituta  
po proyektirovaniyu predpriyatiy tekstil'noy promyshlennosti,  
g. Ivanovo.

(Sizing (Textile))

YEFREMOV, N. N.

DECEASED

Phys-Chem.

see ILC



YEFREMOV, N.N.

Increasing the durability of a bit-leg pin. Trudy MINKHAGP  
46:119-126 '64. (MIRA 17:6)

YESEPOV, N.J., inzhener; SALEYEV, D.P., inzhener; TERNIKOV, P.V., inzhener.

Operating 6 kv cable networks. Elek.sta.28 no.7:73-75 J1 '57.  
(MORA 10:9)

(Electric cables)

YEFREMOV, H.N.

Ship repairs made by the crew. Rech. transp. 17 no.1:36-37 Ja '58.  
(MIRA 1143)

1. Nachal'nik sluzhby sudovogo khozyaystva Yeniseyskogo parokhodstva.  
(Ships--Maintenance and repair)

YEFREMOV, N.N., inzh.

Failure of main engine bearings on diesel-electric vessels. Proizv.-  
tekh. sbor. no.1:64-70 '59. (MIRA 13:9)

1. Yeniseyskoye parokhodstvo.  
(Marine diesel engines)  
(Bearings (Machinery))

YEFREMOV, N.

How to avoid the failure of main engine bearings on "Rossia"-  
type diesel-electric motorboats. Rech. transp. 19 no.11;43 N '60.  
(MIRA 13:11)

1. Nachal'nik sluzhby sudovogo khozyaystva Yeniseyskogo rechnogo  
parokhodstva.

(Marine diesel engines)  
(Bearings (Machinery))

YEFREMOV, N.

Hydraulic hook-type rudder. Rech. transp. 20 no. 1:48-49 Ja '61.  
(MIRA 14:2)

1. Starshiy inzh.-konstruktor Veliko-Ustyugskogo zavoda.  
(Steering gear)

YEFREMOV, N.N.

Determining the optimum depth of surfacing of a slim bit shank.  
Trudy MINKHIGP no.35:96-108 '61. (MIRA 14:11)  
(Boring machinery) (Hard facing)

SHREYBER, G.K.; YEFREMOV, N.N.

Laboratory methods for testing the supports of drilling bits  
for durability. Mash. i neft. obor. no.10:9-10 '64

(MIRA 18:1)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promysh-  
lennosti im. akademika I.M. Gubkina.



YEFREMOV, N.P.

YEFREMOV, N.P.; IVANOV, G.M.; SHAPIRO, I.S.; BYCHKOV, D.V., doktor  
tekhnicheskikh nauk, professor, retsenzent; BASLAVSKIY, I.A.,  
kandidat tekhnicheskikh nauk, redakter.

[Collection of problems in technical mechanics] Sbornik za-  
dach po tekhnicheskoi mekhanike. Pod red. G.M.Ivanova. Le-  
ningrad, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture,  
1953. 250 p. (MLRA 7:8)

(Mechanics, Applied--Problems, exercises, etc.)

AUTHOR:

Yefremov, N.S.  
Yefremov, N.S. (Velikiye Luki)

47-58-1-20/35

TITLE:

A Battery of Capacitors for Computers of Ionizing Particles  
(Batareya kondensatorov dlya schetchika ioniziruyushchikh  
chastits)

PERIODICAL:

Fizika v Shkole, 1958, # 1, pp 56-57 (USSR)

ABSTRACT:

As a source of high voltage is needed to demonstrate to the pupils a Geiger-Myuller counter, the author suggests the use of a battery of 3 capacitors; to use them in parallel when charging from a kenotron rectifier or from a dry battery, and in series, when discharging into the counter's tube. The author explains in detail the working of these circuits and illustrates them by drawings.

There are 2 diagrams.

AVAILABLE:

Library of Congress

Card 1/1

YEFREMOV, N.S. (g. Velikiye Luki)

Model of the optical system of an eye. Fiz.v shkole 23 no.1:55  
Ja-F '63. (MIRA 16:4)

(Optics--Models)

KOVAL', N.M., nauchnyy sotr., kand. sel'khoz. nauk; GERMAN, Ya.B., starshiy nauchnyy sotr.; BIRYUKOV, Yu.V., starshiy nauchnyy sotr.; MART'YANOVA, O.A., starshiy nauchnyy sotr.; SHASHKOV, I.G., nauchnyy rabotnik; KORSHAK, I.T.; BROZHEYT, M.F.; KUKHARCHUK, G.N.; YEFREMOV, N.V., red.; CHEREVATSKIY, S.A., tekhn. red.

[Technological charts for grape cultivation] Tekhnologicheskie karty po vozdelyvaniyu vinograda. Kiev, Gos.izd-vo sel'khoz. lit-ry USSR, 1961. 141 p. (MIRA 15:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut vinogradarstva i vinodeliya im. Tairova (for Koval', German, Biryukov, Mart'yanova). 2. Zakarpatskaya opytnaya stantsiya (for Shashkov). 3. Ministerstvo sel'skogo khozyaystva USSR (for Korshak, Brozheyt, Kucharchuk). (Ukraine—Viticulture)